



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3139-4

Job Sheet 205989



Part No: D3139-4

Part Name: Guard



Part Weight: 0 lbs

Job Created: 1/22/20

Due Date: ~~2/13/20~~ 3/4/2020

Type: Stock

Job Qty: 5 pcs

Status: New

Priority: Medium

Job Tracking No:

Created By: Marie Lajeunesse

Description:

Note: D3139 REV.C IPP Rev:A New Issue Form In-house 10/11/19 DL ver:DD IPP Rev. B Water jet Added 10/11/24
DL IPP Rev. C 14/01/20 Change QC2 to QC6 DL

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	5 pcs	2/13/20	0.00	0.00		Purchasing - 1		FEB 24 2020
							Purchasing - 2		
							Purchasing - 3		
140	Packaging 2-1 - Receive - B4B	5 pcs	2/13/20	0.00	0.00		Packaging 2 - 1 - B4B		FEB 24 2020
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S257760



Part: D3139-4

Job No: 205989

Serial No/Batch: S257760

Revision: C

Inspector:

Exp Date:

Instructions: Various STC's

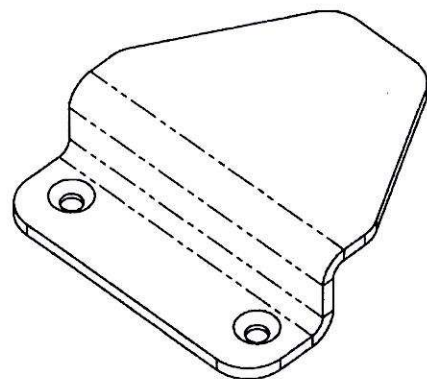
Date: 02/24/20

Plex 1/22/20 10:15 AM Dart.lajeunesse.marie

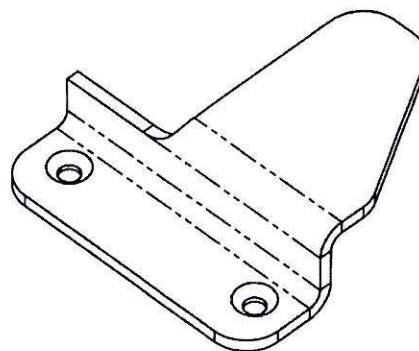
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
				Packaging 2 - 37 - B4B	
150 QC 6	5 pcs	2/13/20	0.00 0.00	QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	APR 14 2020
				QC 6 - 81	
170 Packaging 3-1 - Stock - B4B	5 pcs	2/13/20	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	DAS
				Packaging 3 - 23 - B4B	84
				Packaging 3 - 24 - B4B	9-89
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	DAS
180 QC 21 - SA	5 pcs	2/13/20	0.00 0.00	QC 21 - SA - 21	21
				QC 21 - SA - 70	9-89
				QC 21 - SA - 53	
Part Op 110 - Purchasing					
Descriptions: 140 - Receive & Inspect for Damage & Mat'l Certs					
150 - QC6- All purchased or subcontracted products					
170 - Identify as per dwg & Stock Location: _____					
180 - QC21- Final Inspection - Work Order Release					

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
D3139-4P	Guard	5 pcs (1 ea)	110-Purchasing	5257738
MLEXS.125-9034-01	1/8" 9034 Lexan Sheet (Clear)	8330 sf (-1666 ea)	110-Purchasing	5257759
1 sf (to 25 each)				
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	D3139-4P	5	0	0
	MLEXS.125-9034-01	1	203	0
Part Specifications				
Specifications could not be found.				

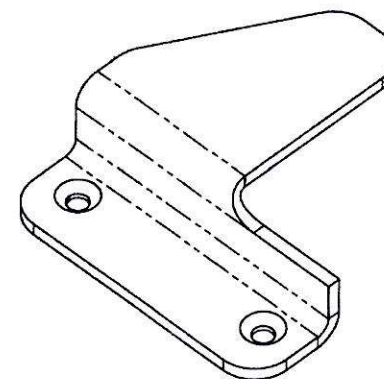
Plex 1/22/20 1:03 PM dart.lussier.patrick



D3139-1 GUARD
(REPLACES PREMIER P/N B30-23000-237/-238)



D3139-3 GUARD
(REPLACES PREMIER P/N B30-23000-239)



D3139-4 GUARD
(REPLACES PREMIER P/N B30-23000-240)

RELEASED
2011-02-18
MP

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 285989 MJS
2001-22

C	UPDATED TO CURRENT STD; CREATED D3139-1/3 FLAT PATTERNS (SHT 3); 0.75 WAS 0.70 (B6-2, D1-2, D5-2).	MB	11.01.07
B	ADD PART MARKING	RF	04.10.18
A	NEW ISSUE	RF	02.04.19
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. C
MFG. APPR.	<i>[Signature]</i>	D3139	SHEET 1 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	GUARD	NTS
DATE	11.01.07	COPYRIGHT © 2002 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

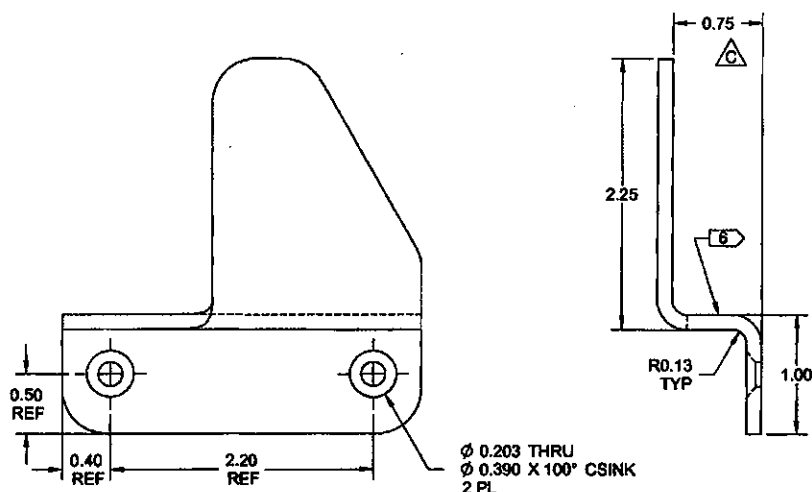
8 7 6 5 4 3 2 1

D

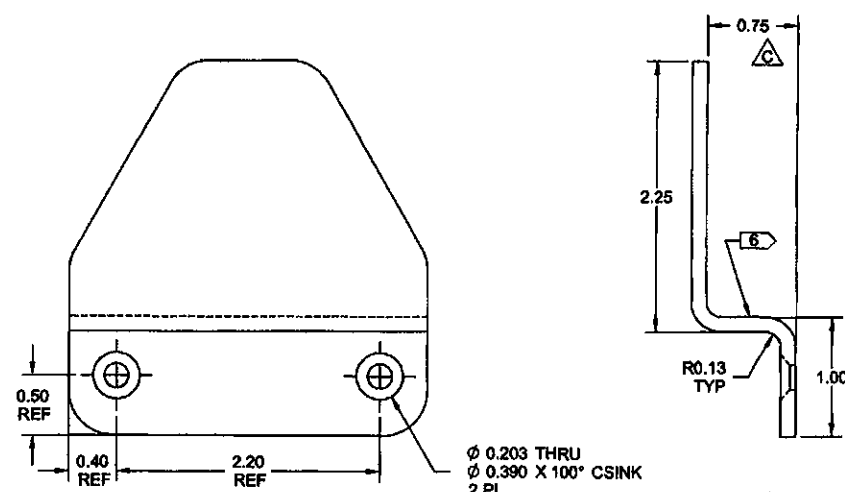
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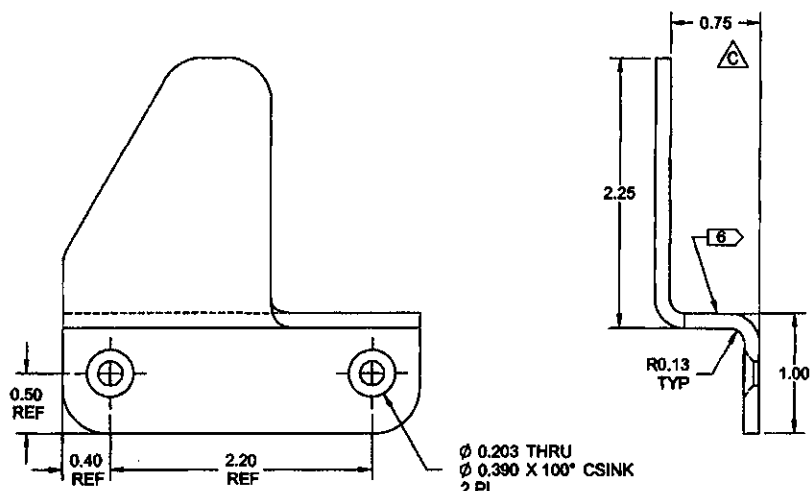
D3139-3 GUARD
(MAKE FROM D3139-3F)



D3139-1 GUARD
(MAKE FROM D3139-1F)

B

B



D3139-4 GUARD
(MAKE FROM D3139-3F)

RELEASED
2011-02-18

- NOTES:
- 1) MATERIAL: PER D3139-1F/-3F
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: WITH DART P/N "D3139-X" AND B/N "BXXXXX" PER QSI 044 6.1 (FINE POINT MARKER)
 - 7) WEIGHT: 0.05 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3139	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		GUARD	NTS
DATE	11.01.07	COPYRIGHT © 2002 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMERCE OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1

A

A

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045660



Supplier: PTF001-VC
Canus Plastics Inc
128 Walgreen Road
Ottawa
ON
K0A 1L0 Canada
Phone: 613-831-4640
Fax: 613-831-4624

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045660
PO Date: 1/22/20
Due Date: 3/4/20
Purchase Order Revision:
Revision Date:
Ship-To Contact: Phone:

Via: Ground
Pyrm Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Drawing	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	205989	D3139-4P	D3139 Rev.C			Guard : Various STC's receive pcs	Firmed X4	-	3/4/20	4 Ea	0 Ea	4 Ea	\$0.01/Ea	\$0.04
													Grand Total:	\$0.04

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/22/20 12:58 PM dart.lussier.patrick



128 WALGREEN ROAD, OTTAWA, ON K0A 1L0
PHONE-613-831-4640

CERTIFICATE OF COMPLIANCE

SOLD TO: DART AEROSPACE

DATE: February 21, 2020

YOUR PURCHASE ORDER: PO HB045660

OUR INVOICE NO: 216033

LINE ITEM # 1

QUANTITY: 4

DESCRIPTION: GUARD, D3139-4P, REV C.

THESE PARTS WERE MANUFACTURED IN ACCORDANCE WITH:

DART QSI 018

PLASTECH PROCESS PR-01-01-D3139-4P REV 1.0 USING DWG D3139-4P REV C.

Note: USED 1 SF OF 9034 CLEAR LEXAN SHEET (SMOOTH TEXTURE) 0.125" THICK (REF. DART SPEC. MLEXS.125-9034-01) BATCH# S142742.

THIS IS TO CERTIFY THAT THE MATERIAL FINISHES AND FUNCTIONAL REQUIREMENTS OF THE ABOVE LISTED PARTS ARE IN ACCORDANCE WITH THE REFERENCE PROCUREMENT SPECIFICATIONS, CONTROL DRAWINGS OR PARTS DESIGNATION AND LATEST REVISIONS AS REFERENCED ON THE SUBJECT PURCHASE ORDER.

AUTHORIZED REPRESENTATIVE SIGNATURE

MARK PERRY, M.ENG.
PRESIDENT

Sheet 1 of 1

[illegible]

SAE AS9102 First Article Inspection Form

Form 2: Product Accountability – Raw Material, Specifications and Special Process(es), Functional Testing

Sheet 1 of 1

1. Part Number D3139-4	2 Part Name GUARD		2. Serial Number 2020-001		4. FAI Report Number FAIR-D3139-4 REV C
5. Material or Process Name	6. Specification Number	7. Code	8. Special Process Supplier Code	9. Customer Approval Verification (Yes/No/NA)	10. Certificate of Conformance number
9034 CLEAR LEXAN SHEET (SMOOTH) 0.125" THICK	REF. DART SPEC. MLEXS .125-9034-01		N/A	N/A	N/A Supplied by Customer_ DART
11. Functional Test Procedure Number	12. Acceptance report number, if applicable				
13. Comments					
14. Prepared By Mark Perry Plas-Tech Fabrications			15. Date 2-18-2020		

SAE AS9102 First Article Inspection Form

Form 3: Characteristic Accountability, Verification and Compatibility Evaluation

Sheet 1 of 3

1. Part Number D3139-4				2. Part Name GUARD			3. Serial Number 2020-001	4. FAI Report FAIR-D3139-4 REV C
Characteristic Accountability				Inspection / Test Results				
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-Conformance Number	14. Remarks.	
1	8A-SH3, Eng. Note 1		9034 CLEAR LEXAN SHEET (SMOOTH TEXTURE) 0.125" THICK (REF. DART SPEC. MLEXS.125-9034-01)	CHECKED AS OK			Material supplied by customer _ Dart Material Batch# S142742	
2	8A-SH3 Eng. Note 2		FINISH: NONE	NOTED				
3	8A-SH3, Eng. Note 3		TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED	NOTED				
4	8A-SH3, Eng. Note 4		UNITS: INCHES UNLESS OTHERWISE NOTED	NOTED				
5	8A-SH3, Eng. Note 5		BREAK SHARP EDGES: 0.005 TO 0.015 MAX	SCRAPED BOTH EDGES TO 0.005 MAX.				
6	8A-SH3, Eng. Note 6		IDENTIFICATION: IDENTIFY WITH DART P/N "D3898-1L08" AND PER DART QSI 044 METHOD 6.4.	NOTED			Final Identification to be completed by Dart per Eng. Note 6.	
7	8A-SH3, Eng. Note 7		WEIGHT: 0.05 Lbs.	0.00 LB			PLASTECH WEIGH SCALE IS +/- 1 LB ACCURACY.	
8	4B-SH3		3.00	2.99				
9	4B-SH3		2.600	2.589				
10	4B-SH3		2.10	2.08				
11	3B-SH3		0.400	0.404				
12	4B-SH3		Ø0.098 2PL	0.098 2PL			THIS HOLE IS NOT EVIDENT ON FINAL PART	

Form 3: Characteristic Accountability, Verification and Compatibility Evaluation

Sheet 2 of 3

1. Part Number D3139-4				2. Part Name GUARD			3. Serial Number 2020-001	4. FAI Report FAIR-D3139-4 REV C
Characteristic Accountability				Inspection / Test Results				
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-Conformance Number	14. Remarks.	
13	4C-SH3		40° REF	40°				
14	4C-SH3		1.42	1.42				
15	4C-SH3		1.71	1.71				
16	4C-SH3		R0.38 2PL	0.38, 0.38				
17	4D-SH3		R0.38 TYP	0.40				
18	3D-SH3		1.75	1.75				
19	3D-SH3		0.95	0.95				
20	2D-SH3		3.71	3.71				
21	3C-SH3		30° REF	30°				
22	2C-SH3		2.06	2.05				
23	2C-SH3		1.57 REF	1.57				
24	2C-SH3		0.90 REF	0.90				
25	2C-SH3		0.500	0.489				
26	3B-SH3		BEND LINES REF	NOTED				
27	8A-SH2		0.40 REF	0.40				
28	8A-SH2		0.50 REF	0.50				
29	7A-SH2		2.20 REF	2.20				
30	6A-SH2		Ø0.203 THRU Ø0.390 X 100° CSINK 2PL	Ø 0.195 THRU Ø0.410 X 100° CSINK / Ø 0.197 THRU Ø0.405 X 100° CSINK				

Form 3: Characteristic Accountability, Verification and Compatibility Evaluation

Sheet 3 of 3

1. Part Number D3139-4				2. Part Name GUARD		3. Serial Number 2020-001	4. FAI Report FAIR-D3139-4 REV C
Characteristic Accountability				Inspection / Test Results			
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-Conformance Number	14. Remarks.
31	6B-SH2		2.25	2.28			
32	5B-SH2		0.75	0.78			
33	5A-SH2		R0.13 TYP	0.13			
34	5A-SH2		1.00	0.97			
The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.							
12. Prepared By Mark Perry, Plas-Tech Fabrications 					13. Date 02-18-2020		

www.canusplastics.com

Customer P23336

Ship To: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY ON K6A 1K7

Ph. (613) 632-3336

PO Number	F.O.B.	Salesperson	Order Date	Order Number
POHB045660	Our Dock	Mark Perry	February 21, 2020	0000218277
Ship Via		Payment Terms	Reference	
Pick up				
Ordered by		Patrick Lussier	(613) 632-5200	
Part Number		Description	Ordered	Shipped
MFG		Part# D3139-4P, Drawing D3139 Rev C, Guards	4	4
Date		Signature	Total	
			4	